#### FIRE PROTECTION GENERAL NOTES LEGEND & ABBREVIATIONS EXISTING SPRINKLER PIPE TO REMAIN AC ABOVE CEILING BUILDING IS CURRENTLY PROTECTED BY A LIMITED AREA WET PIPE SPRINKLER SYSTEM. ALL SPRINKLER HEADS SHALL BE QUICK RESPONSE & FM APPROVED. CONTRACTOR SHALL DESIGN AND EXTEND A FULLY AUTOMATIC WET PIPE FIRE EXTINGUISHING AFF ABOVE FINISHED FLOOR X X EXISTING SPRINKLER PIPE TO BE REMOVED SPRINKLER SYSTEM TO PROVIDE COMPLETE COVERAGE THROUGHOUT AREA OF WORK AS INDICATED. PUBLIC SPACES SUCH AS LOBBIES, CORRIDORS, SEATING AREAS, PUBLIC BATHROOMS, FIRE SPRINKLER BRANCH PIPE AFG ABOVE FINISHED GRADE SPRINKLER SYSTEM DESIGN, MATERIALS AND INSTALLATION SHALL BE IN ACCORDANCE WITH NFPA CONFERENCE ROOMS, ETC. SHALL BE PROVIDED WITH WHITE RECESSED PENDANT TYPE SPRINKLER 13, AND STATE AUTHORITIES. SPRINKLER SYSTEM DESIGN SHALL BE BY HYDRAULIC CALCULATIONS HEADS. NON-PUBLIC SPACES SUCH AS INDIVIDUAL OFFICES, BATHROOMS, STORAGE ROOMS, ETC ETR EXISTING TO REMAIN FOR LIGHT & ORDINARY HAZARD OCCUPANCY, EXCEPT WHERE REQUIRED BY THE CONSTRUCTION SHALL BE PROVIDED WITH ENAMELED PENDENT SPRINKLER HEADS. DOCUMENTS, THE AUTHORITY HAVING JURISDICTION, OR NFPA-13, 2010. EXIST EXISTING —PA———— FIRE SPRINKLER PRE—ACTION PIPE PROVIDE SPRINKLER PROTECTION UNDER STAIRS AS REQUIRED BY NFPA 13. STANDARDS PIPE TURN UP FDC FIRE DEPARTMENT CONNECTION FIRE PROTECTION SYSTEMS SHALL COMPLY WITH: AUTOMATIC SPRINKLER TEMPERATURE RATINGS OF FUSIBLE ELEMENTS SHALL BE ORDINARY, UNLESS NOTED OTHERWISE. PIPE TURN DOWN (DN) GAL GALLON NFPA 13 - 2010 PIPE CAPPED GPH GALLONS PER HOUR PROVIDE CABINET AND STOCK OF EXTRA SPRINKLER HEADS OF ALL TYPES USED IN ACCORDANCE INTERNATIONAL BUILDING CODE - 2009 WITH NFPA 13. EXISTING SPRINKLER HEAD TO REMAIN GPM GALLONS PER MINUTE VA STANDARDS INCLUDING THE "FIRE PROTECTION DESIGN MANUAL" DATED SEPTEMBER PROVIDE HEAD GUARDS ON SPRINKLE HEADS IN ELECTRIC, MECHANICAL, GYM, ELEVATOR, EXISTING SPRINKLER HEAD TO BE REMOVED HD HEAD TELEPHONE, AND STORAGE ROOMS. EXISTING SPRINKLER HEAD TO BE RELOCATED HP HORSE POWER THE CONTRACTOR SHALL REMOVE & REINSTALL ALL CEILING TILES & CUT CEILING TILES TO ACCOMMODATE SPRINKLER HEADS. HEADS SHALL BE CENTERED IN CEILING TILES. DRYDROP SIDEWALL HEAD NFPA NATIONAL FIRE ARRANGE AND COMPLETE FINAL INSPECTIONS AND APPROVALS REQUIRED BY OWNER AND PROTECTION ASSOCIATION SIDEWALL SPRINKLER HEAD CONTRACTOR SHALL BE RESPONSIBLE FOR ENTERING BUILDING SPRINKLER HEAD INFORMATION INTO ENGINEER. THE STATE MANAGED SPRINKLER HEAD DATABASE. W/ WITH DRYDROP PENDENT HEAD PROVIDE ADDITIONAL SPRINKLERS, PIPING, FITTINGS, APPURTENANCES, AND ALL OTHER WORK SPRINKLERS ARE TO BE COORDINATED WITH ALL ARCHITECTURAL FEATURES, DIFFUSERS, SPEAKERS, NECESSARY TO ACCOMMODATE ANY INTERIOR DESIGN LAYOUTS WHICH ARE OR MAY BE INCLUDED STANDARD PENDENT HEAD LIGHTING FIXTURES, CEILING SYSTEMS, AND STRUCTURAL SYSTEMS. COORDINATION SHALL RESULT IN THE WORK. THESE SPRINKLERS AND ASSOCIATED WORK SHALL BE PROVIDED WHERE REQUIRED IN CODE COMPLIANT SPRINKLER SYSTEM. TO RESOLVE ANY CONFLICTS OR OTHER LAYOUT CHANGES NEEDED TO ACCOMMODATE ALL UPRIGHT PENDANT HEAD MISCELLANEOUS ITEMS (I.E. CEILING OFFSETS, SOFFITS, COVES, CODE ALARMS AND ATTACHMENTS CONCEALED PENDANT HEAD INSPECTION/INTERPRETATIONS, STRUCTURAL SYSTEM CONFLICTS, ETC.) COORDINATE ALARM DEVICES WITH FIRE ALARM CONTRACTOR. BUTTERFLY VALVE REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION. PROVIDE FLOW SWITCH WITHOUT RETARD CAPABILITIES FOR SYSTEMS SERVING ELEVATORS. CHECK VALVE FIRE RATINGS PROVIDE SMOOTH BORE CORROSION RESISTANT OUTLETS FOR INSPECTOR'S TEST VALVES GIVING PENETRATIONS OF FIRE RESISTANT CONSTRUCTION SHALL COMPLY WITH TESTING AGENCY OS&Y VALVE W/TAMPER SWITCH FLOW EQUIVALENT TO 1 SPRINKLER. DOCUMENTS, I.E. UL FIRE RESISTANCE DIRECTORY, INCLUDING BUT NOT LIMITED TO SIZE OF HOLE, $\times$ BACK FLOW PREVENTOR ANNULAR SPACES, ETC. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH PENETRATION SHOP DRAWINGS REQUIREMENTS PRIOR TO BEGINNING WORK ON FIRE RESISTANT CONSTRUCTION PENETRATION. FIRE SPRINKLER RISER FINAL SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO OWNER AND ENGINEER. NO INSTALLATION SHALL BE PERMITTED UNTIL SPRINKLER SHOP DRAWINGS HAVE BEEN APPROVED. REMOTE AREA BOUNDARY ORDINARY II HAZARD INCLUDES BUT IS NOT LIMITED TO ALL STORAGE SPACES, EQUIPMENT INDICATE THE TOTAL SQUARE FOOT AREA PROTECTED BY SYSTEM. SPACES, ELEVATOR RELATED SPACES, TRASH AND RECYCLE STORAGE SPACES. HYDRAULIC REFERENCE POINT INDICATE THE NUMBER OF SPRINKLERS ON EACH RISER. • ORDINARY I HAZARD INCLUDES BUT IS NOT LIMITED TO UTILITY SPACES, KITCHENS, LAUNDRIES, LIMIT OF DEMOLITION WORK MECHANICAL ROOMS. CONTRACTOR SHALL VERIFY THE WATER SUPPLY BY PERFORMING A FIRE HYDRANT FLOW TEST PRIOR TO THE DESIGN. NEW POINT OF CONNECTION ALL OTHER SPACES WITHIN BUILDING ARE LIGHT HAZARD OCCUPANCY UNLESS OTHERWISE NOTED. DEMOLITION NOTE DESIGNATION INDICATE ALL CEILING HEIGHTS INCLUDING CHANGES FOR CONDITIONS SUCH AS SOFFITTS, AREAS OF GREATER HAZARD SHALL EXTEND 15' INTO LOWER HAZARD AREAS UNLESS SEPARATED BULKHEADS, ETC. BY A WALL WITH AUTO CLOSING DOORS. REFER TO NFPA 13 FOR SPECIFIC DEFINITIONS OF NEW WORK NOTE DESIGNATION PROVIDE DETAIL AND INDICATE TYPE OF HANGERS TO BE INSTALLED FOR SPRINKLER PIPING. -DETAIL/RISER/ENLARGED PLAN METHODS OF HANGING PIPES. HEADERS. AND BRANCHES SHALL BE IN ACCORDANCE WITH NFPA (10) ---SHEET WHERE SHOWN 13. HANGERS SHALL NOT INTERFERE WITH ANY OTHER TRADES. ALL PIPING SHALL BE METAL. ALL GROOVED END PIPING SHALL BE APPROVED PRIOR TO ----SHEET WHERE CUT INSTALLATION BY OWNER AND ENGINEER. FINAL SPRINKLER SHOP DRAWINGS SHALL BE SUBMITTED TO OWNER AND ENGINEER. NO INSTALLATION SHALL BE PERMITTED UNTIL SPRINKLER SHOP DRAWINGS HAVE BEEN APPROVED. 2 HOUR FIRE RATED WALL CPVC PIPING SHALL NOT BE USED. ALL SCREWED PIPING SHALL BE MIN. SCHEDULE 30 PIPE IN ACCORDANCE WITH SPECIFICATIONS ASTM A120 AND SHALL BE JOINED BY SCREWED JOINTS IN ACCORDANCE WITH SPECIFICATION ANSI CONTRACTOR'S SCOPE OF WORK PIPE SHALL BE REAMED AND CLEANED BEFORE ASSEMBLY. THE ENTIRE PIPING SYSTEM SHALL BE FLUSHED CLEAN. THE UNDERGROUND PIPING SHALL BE FLUSHED BEFORE CONNECTION TO ANY ABOVE GROUND PIPING TO REMOVE ANY DEBRIS. THE CONTRACTOR'S WORK SHALL INCLUDE BUT IS NOT LIMITED TO: ALL SPRINKLER PIPING & FITTINGS SHALL BE INSTALLED RUST-FREE, AND MAINTAINED RUST-FREE EXTENSION OF LIMITED AREA SPRINKLER SYSTEM TO PROTECT NEW NAVIGATION ROOM, AND ASSOCIATED ADJACENT TOILET ROOMS, STORAGE AT ALL TIMES. ROOMS, AND KITCHEN. FIRE SPRINKLER PIPING SHALL NOT BE LOCATED ABOVE ELECTRICAL PANELBOARDS PER ARTICLE REPLACEMENT OF SPRINKLER CONTROL VALVE AT RISER LOCATED IN ROOM 384-4 OF NFPA 70. VALVES AND FITTINGS BUILDING SHALL BE OCCUPIED THROUGHOUT CONSTRUCTION. CONTRACTOR ALL VALVES FOR FIRE SERVICE SHALL BE LISTED BY THE UNDERWRITER'S LABORATORIES, INC. (UL) SHALL COORDINATE SEQUENCE OF WORK TO MAINTAIN BUILDING SYSTEMS AND THE FACTORY MUTUAL LABORATORIES. VALVES SHALL BE FACTORY MARKED "UL" AND "FM", OPERABILITY DURING ALL HOURS OF FACILITY OPERATION. ALL SERVICE 175 PSI WORKING PRESSURE. DISRUPTIONS SHALL BE COORDINATED WITH OWNER'S REPRESENTATIVE. ALL VALVES ON THE FIRE PROTECTION SYSTEM SHALL BE ELECTRICALLY SUPERVISED. PROVIDE TAMPER SWITCHES. COORDINATE LOCATIONS OF SUPERVISED DEVICES WITH FIRE ALARM CONTRACTOR. REFER TO ELECTRICAL DRAWINGS FOR MORE INFORMATION. BUTTERFLY VALVES SHALL BE ALLOWED DOWNSTREAM OF THE DISCHARGE SIDE OF THE BACKFLOW PREVENTER. PLAIN END FITTINGS WITH MECHANICAL COUPLINGS SHALL NOT BE USED. 4 8 16 16 16 1991.

VA FORM 08-6231

CONSULTANTS:

ECHANICAL ELECTRICAL ENGINEERS

VIRGINIA BEACH, VA - 757-499-7223

ARCHITECT:



SPRINKLER LEGENDS, NOTES AND ABBREVIATIONS Approved: Project Director

Drawing Title

**VETERAN'S ADMINISTRATION** HOSPITAL - HIGH TECH CONFERENCE ROOM RENOVATION FAYETTEVILLE, NORTH CAROLINA

Checked

WGQ

Drawn

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Project Title

05 - 14 - 12

**Building Number** Drawing Number

Project Number

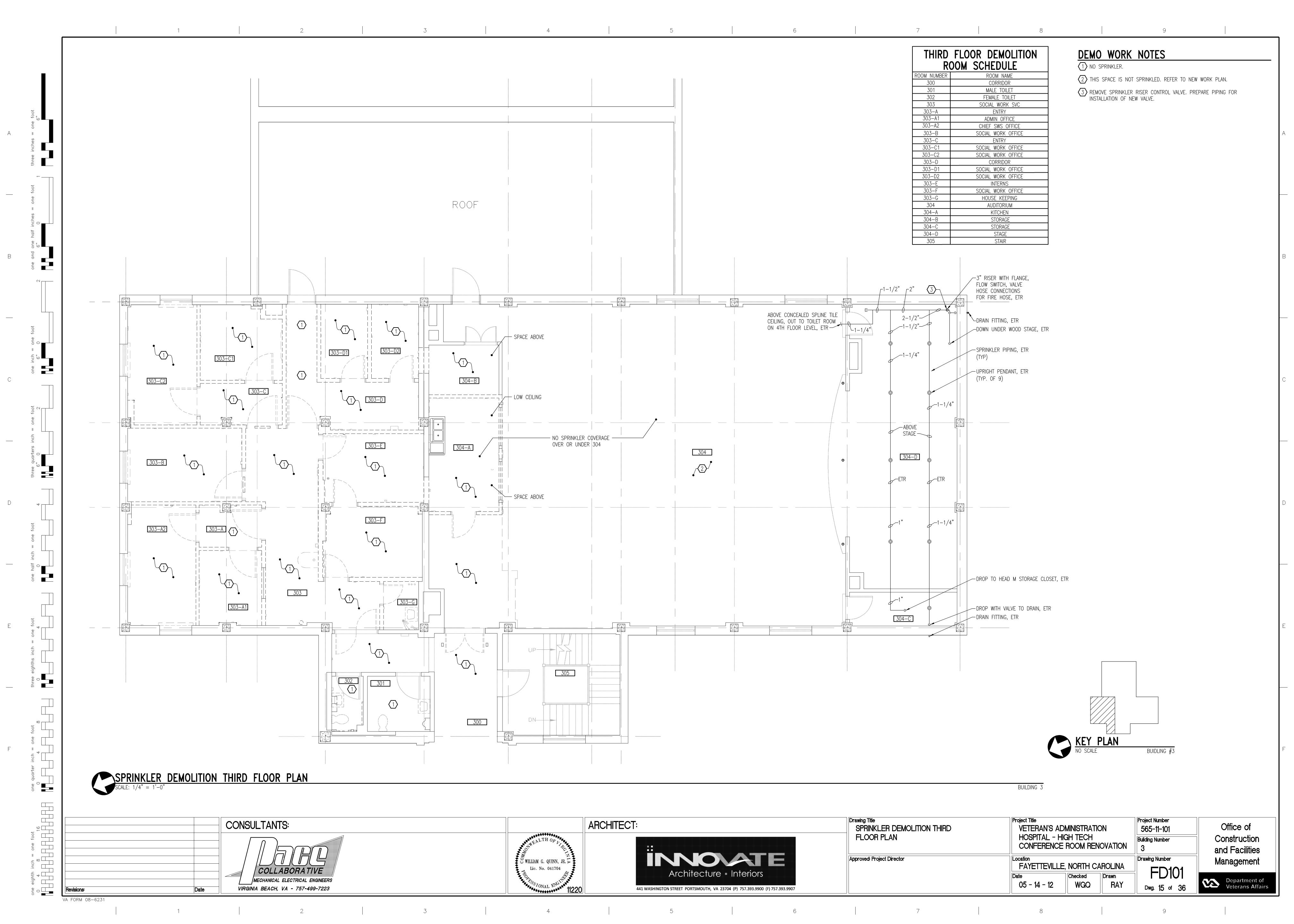
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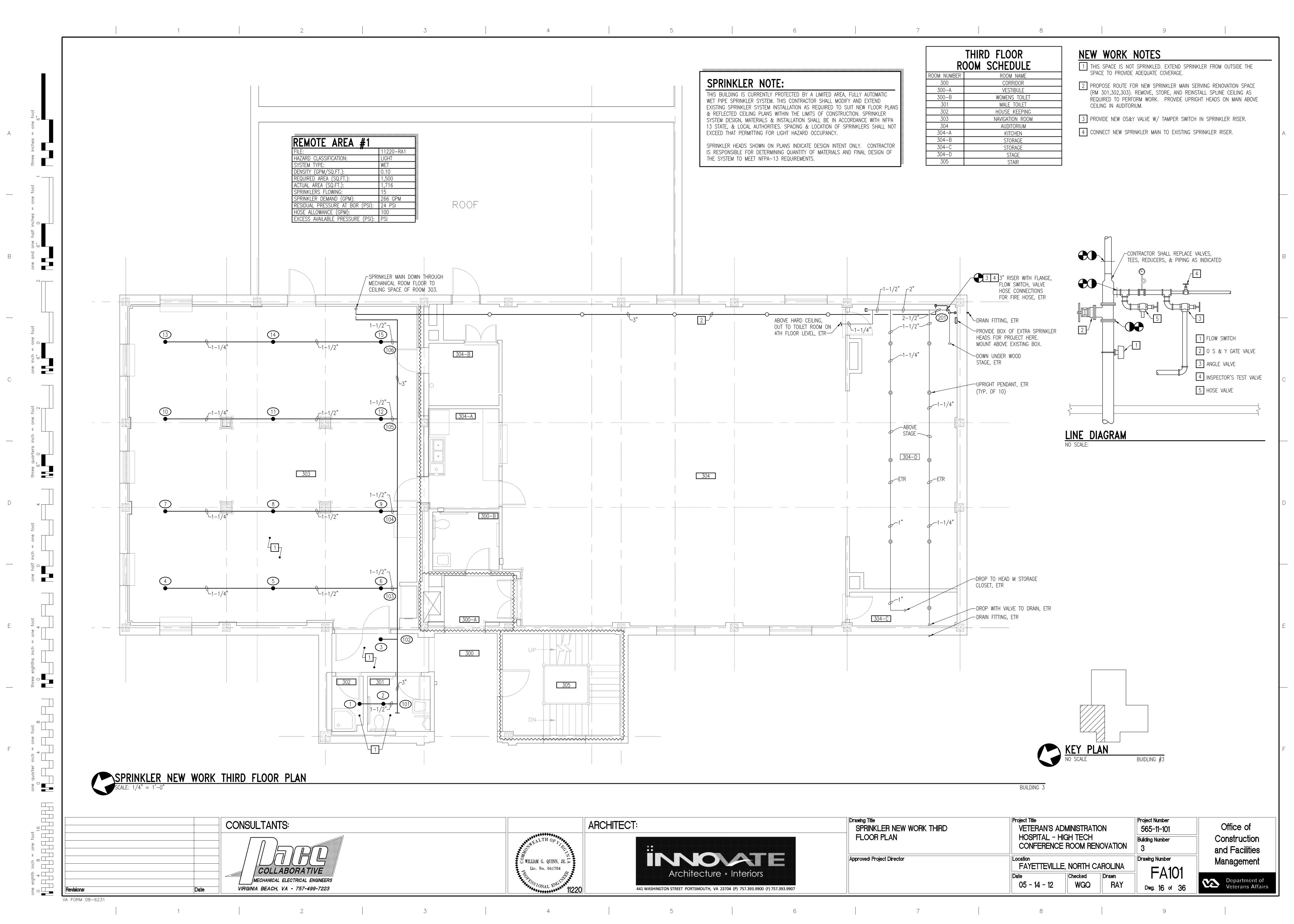
and Facilities Management

Veterans Affairs

Office of

Construction





### STRUCTURAL FLOOR NOTE:

EXISTING FLOOR SYSTEM IS A CONCRETE PAN-JOISTS SYSTEM. THE TOILET SANITARY LINE SHALL BE LOCATED WITHIN THE PAN (SLAB PORTION) OF THE PAN-JOIST SYSTEM.

THE G.C. SHALL UTILIZE ONE OF THE FOLLOWING METHODS TO DETERMINE CONCRETE PAN AND JOIST LOCATION:

DRILL A 1/4" DIAMETER X 4" LONG PILOT HOLE AT THE CENTERLINE OF THE PROPOSED SANITARY LINE. THE PAN PORTION OF THE FLOOR SYSTEM SHOULD BE A MAXIMUM OF 3 TO 4 INCHES THICK. IF THE PILOT HOLE GOES THROUGH THE SLAB COMPLETELY, THE ADDITIONAL HOLE SHALL BE DRILLED AT THE EDGE OF THE PROPOSED HOLE IN ALL FOUR DIRECTIONS TO VERIFY THE HOLE WILL BE COMPLETELY IN THE PAN AREA.

UTILIZE A X-RAY OR A GROUND PENETRATING RADAR (GPR) SYSTEM TO DETERMINE THE VARIATIONS IN THE SLAB THICKNESS TO LOCATE THE LIMITS OF THE CONCRETE PAN AND LOCATE THE SANITARY LINE WITHIN THE PAN.

IN-FILLING THE EXISTING FLOOR PENETRATIONS (UP TO 8" DIAMETER) AS FOLLOWS: SECURE A 16 GAUGE FLAT PLATE TO THE UNDERSIDE OF THE SLAB. PLATE SHALL EXTEND 2" BEYOND THE SLAB OPENING ON ALL SIDES. ATTACH THE PLATE TO THE EXISTING SLAB WITH 4 - 3/16" DIAMETER HILIT KWIK-CON II+ WITH THE 1" EMBEDMENT - LOCATE THE ANCHOR 1" CLEAR FROM EXISTING OPENING. IN-FILL THE EXISTING OPENING WITH 3,000 PSI NON-SHRINK GROUT.

#### FREEZE NOTE:

CONTRACTOR SHALL FREEZE BRANCH LINES IN ORDER TO PERFORM WORK IN TOILET SPACES. THE CONTRACTOR SHALL PROVIDE NEW FULL PORT BALL VALVES ON THE BRANCH PIPING FOR EACH TOILET GROUP, REGARDLESS OF THE CONDITION OF THE EXISTING ISOLATION VALVES. THE VALVES SHALL BE LOCATED AT THE FREEZE POINT ON THE WATER SUPPLY DISTRIBUTION SYSTEM FOR EACH TOILET GROUP. THE CONTRACTOR SHALL COORDINATE WITH FACILITIES MANAGEMENT 48 HOURS PRIOR TO ANY SHUT DOWN, FOR ALL SHUT DOWN ACTIVITY FOR WATER DISTRIBUTION SYSTEMS. THE CONTRACTOR SHALL FULLY INFORM THE STAFF AS TO WHAT FIXTURES SHALL BE AFFECTED. AT ANYTIME THEREAFTER, WHEN NEW ISOLATION VALVES (PROVIDED BY CONTRACTOR) ARE CLOSED FOR ON GOING WORK, THE CONTRACTOR SHALL AGAIN INFORM FACILITIES MANAGEMENT 48 HOURS PRIOR TO THE ISOLATION OF ANY SYSTEM. THE CONTRACTOR SHALL DETERMINE ALL FREEZE POINTS IN THE FIELD. THE CONTRACTOR SHALL PROVIDE ADEQUATE SUPERVISION AT ALL TIMES, AND SHALL PROVIDE ADEQUATE PERSONNEL IN ORDER TO COMPLETE THE WORK AT A FREEZE POINT. THE FREEZE APPARATUS SHALL BE USED IN A MANNER SPECIFICALLY INDICATED BY THE MANUFACTURER OF THE EQUIPMENT. THE CONTRACTOR SHALL BE COMPLETELY AND SOLELY RESPONSIBLE FOR RESTORING THE SYSTEM BACK TO FULL USE IN A TIMELY MANNER, AND SHALL REPORT AHEAD OF ANY SHUT DOWN IF FOR ANY REASON PIPING CANNOT BE FROZEN DUE TO AN UNFORESEEN CIRCUMSTANCE.

## FIRE WALL NOTE:

FIRE WALLS INDICATED ON THESE PLANS ARE FOR REFERENCE ONLY. REFER TO ARCHITECTURAL DRAWINGS FOR ALL FIRE WALL TYPES & LOCATIONS. CONTRACTOR SHALL PROVIDE ALL FIRE CAULK, SLEEVES, & ACCESSORIES AS REQUIRED FOR ALL FIRE RATED PENETRATIONS.

# ASBESTOS, LEAD PAINT, PCB, AND MERCURY NOTE

HAZARDOUS MATERIAL INSPECTION WAS PERFORMED AND ASBESTOS—CONTAINING MATERIALS WERE FOUND GENERALLY IN THE FLOOR TILE AND FLOOR TILE MASTIC. CEILING TILE AND MASTIC, COVE BASE ADHESIVE, MUDDED PIPE JOINTS, DUCT INSULATION AND DUCT MASTIC. PCB'S ARE SUSPECTED TO BE PRESENT IN ALL LIGHTING BALLASTS. MERCURY IS SUSPECTED TO BE PRESENT IN LIGHTING LAMPS AND HVAC THERMOSTATS. LEAD PAINT WAS FOUND TO BE PRESENT IN ALL PAINTED SURFACES. THE HAZARDOUS MATERIAL SURVEY INSPECTION REPORTS ARE AVAILABLE AS APPENDIX "A" IN THE SPECIFICATIONS. HAZARDOUS MATERIALS SHALL BE REMOVED PRIOR TO ANY OTHER WORK BEING PERFORMED IN THESE AREAS. THE ABATEMENT CONTRACTOR SHALL PROVIDE A MANAGEMENT PLAN TO SHOW THE "AS BUILT" CONDITIONS RESULTING FROM ITS WORK TO INCLUDE AREAS WHERE MATERIALS WERE ABATED, AREAS WHERE ASBESTOS WAS ENCAPSULATED, AND AREAS WHERE HAZARDOUS MATERIALS EXIST BUT WERE LEFT IN PLACE.

## GENERAL NOTES

ALL PLUMBING & PLUMBING MATERIALS SHALL MEET THE REQUIREMENTS OF THE NORTH CAROLINA STATE & LOCAL PLUMBING CODES.

SLOPES & INVERT ELEVATIONS OF ALL INTERIOR PIPING SHALL BE ESTABLISHED BEFORE ANY PIPING IS INSTALLED, IN ORDER THAT PROPER SLOPES WILL BE MAINTAINED. ALL PIPING SHALL BE RUN TO AVOID CONFLICTS WITH OTHER TRADES.

COORDINATE WITH ARCHITECTURAL WORKING DRAWINGS BEFORE ROUGHING-IN PLUMBING FIXTURES.

MAKE PROPER HOT & COLD WATER, HOT WATER RETICULATING, WASTE, & VENT, & GAS, ETC., PIPING CONNECTIONS TO ALL FIXTURES & EQUIPMENT EVEN THOUGH ALL BRANCHES, FITTINGS & CONNECTIONS ARE NOT SHOWN.

COORDINATE LOCATION OF ALL EQUIPMENT, FIXTURES & PIPING WITH STRUCTURAL & ALL OTHER TRADES. PIPING RUN AC SHALL BE RUN AS HIGH AS POSSIBLE.

ALL OPENINGS IN CEILINGS & PLENUM WALLS FOR PLUMBING PIPES SHALL BE SEALED AIR TIGHT.

PROVIDE AUTOMATIC TRAP PRIMERS FOR ALL FLOOR DRAINS. MOUNT TRAP PRIMER IN ACCESSIBLE LOCATION.

IT IS THE INTENTION OF THESE DRAWINGS TO COVER ALL WORK & MATERIAL FOR A COMPLETE FIRST CLASS INSTALLATION. ANY EQUIPMENT, PLUMBING FIXTURE, TRIM HARDWARE &/OR DEVICES USUALLY UTILIZED IN THE CLASS OF WORK, THOUGH NOT SPECIFICALLY MENTIONED OR SHOWN ON THE DRAWINGS, BUT WHICH MAY BE NECESSARY FOR THE SATISFACTORY COMPLETION OF THE WORK (AS DETERMINED BY THE COTR) SHALL BE FURNISHED & INSTALLED BY THE CONTRACTOR AS PART OF HIS TOTAL WORK.

THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID AND THOROUGHLY FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS. NOT ALL EQUIPMENT AND APPURTENANCES ARE SHOWN. FAILURE TO FOLLOW THIS STEP SHALL NOT BE A BASIS FOR CHANGE ORDERS.

VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK OR ORDERING EQUIPMENT, PIPING, FIXTURES, ETC.

INSTALL ALL EQUIPMENT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS & ALL APPLICABLE LISTING REQUIREMENTS.

ALL PLUMBING FIXTURES SHOWN FOR BASIS OF DESIGN. THE FOLLOWING MANUFACTURERS WILL BE CONSIDERED BY A/E IF EQUAL, ZURN, SLOAN, AMERICAN STANDARD, KOHLER.

CONTRACTOR SHALL COORDINATE ALL FLUSH VALVE ROUGH INS TO AVOID CONFLICT WITH GRAB BARS BEHIND TOILETS. REFER TO ARCHITECTURAL DETAILS FOR EACH TOILET, INCLUDING ELEVATIONS.

ALL PLUMBING FIXTURES SHALL BE PROVIDED WITH NEW STOP VALVES, P-TRAPS, ESCHEUTIONS REGARDLESS OF THE AGE OR CONDITION OF EXISTING PLUMBING.

ALL EXISTING VERTICAL WASTE STACKS FROM THE SANITARY TEE DOWN TO THE BASE OF THE STACK SHALL BE REPLACED UNLESS OTHERWISE NOTED.

WALL CLEANOUTS SHALL BE PROVIDED ON ALL NEW VERTICAL WASTE STACKS FOR URINALS, SINKS AND LAVATORIES.

CONTRACTOR SHALL PROVIDE WRITTEN DOCUMENTATION IN A DAILY REPORT FOR ANY EXISTING CONDITIONS OF SLOW DRAINING OR STOPPED UP DRAINS WHERE THE FIXTURE ROUGH IN AND OR PIPING IS TO REMAIN, PRIOR TO THE DEMOLITION OF THAT FIXTURE. CONTRACTOR SHALL PROVIDE DRAIN CLEANING TO EXISTING SINK, URINAL OR LAVATORY IF REQUIRED, TO INSURE THAT THE NEW FIXTURE WILL DRAIN PROPERLY.

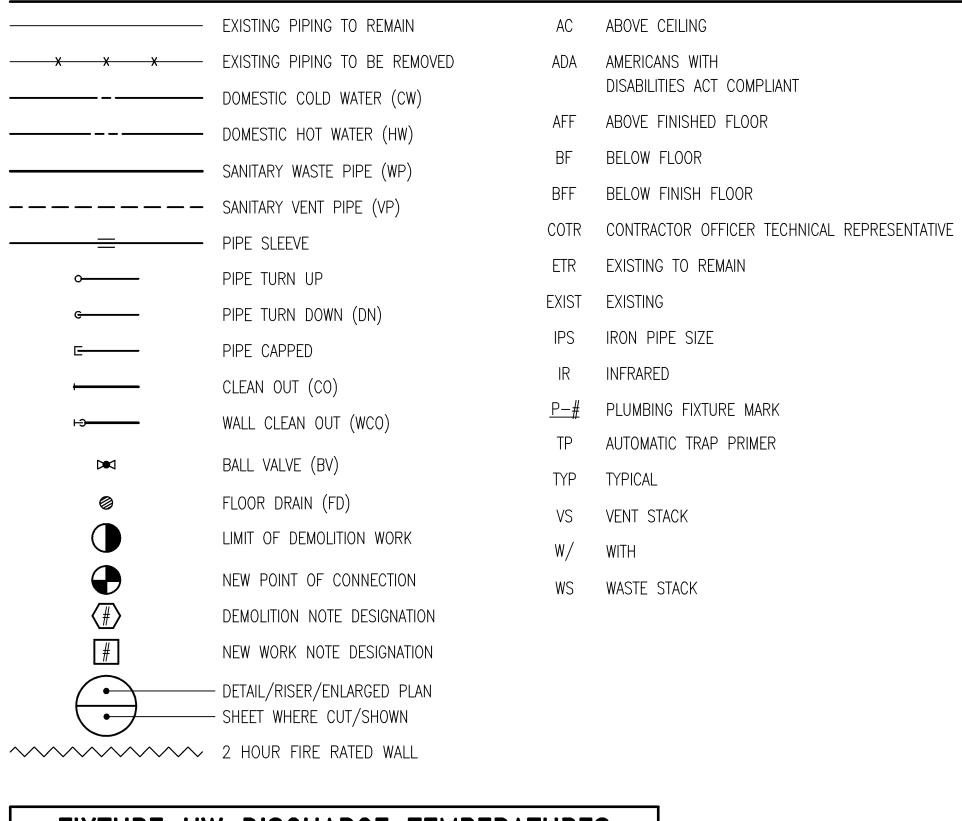
CONTRACTOR SHALL PROVIDE LAVSHIELD BY TRUEBRO PROTECTIVE LAVATORY ENCLOSURE OR EQUAL ON ALL LAVATORY INSTALLATIONS.

ALL UNUSED WATER PIPING SHALL BE REMOVED BACK TO THE NEAREST TEE OF A LIVE BRANCH OR TO A VALVE, DURING DEMOLITION CONTRACTOR SHALL NOT LEAVE ABANDONED PIPE UNLESS OTHERWISE NOTED.

ALL EXISTING MATERIALS INCLUDING PIPE FITTINGS INSULATION AND HANGER MATERIALS SHALL BE REMOVED COMPLETELY AND SHALL BE DISPOSED OF IF NOT REQUIRED TO REMAIN.

CONTRACTOR SHALL PROVIDE ALL FIXTURES.

# LEGEND & ABBREVIATIONS



FIXTURE HW DIS	CHARGE TEM	IPERATURES
PLUMBING FIXTURE	MAXIMUM DISCHARGE TEMPERATURE	REFERENCE STANDARD
PUBLIC HAND-WASHING FACILITIES	>85°F & <110°F	ASSE 1070

NOTE: PROVIDE LISTED TEMPERING DEVICE FOR EACH FIXTURE PER TABLE.

RIGID GLASS	FIBER PIPE IN	SULATIO	ON SCH	HEDULE
PIPING SYSTEM	SYSTEM TEMPERATURE	PIPING	INSULATION	THICKNESS
FIFIING SISILM	RANGE (°F)	1" & LESS	1-1/4"-2"	2-1/2" & MORE
DOMESTIC HW & HWR	110 – 140	1"	1"	1-1/2"
DOMESTIC CW	48 - 80	1/2"	3/4"	1"
FLOOR DRAINS	ALL	-	1/2"	1/2"

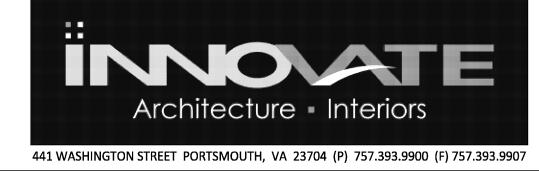
REFER TO SPECIFICATIONS FOR INSTALLATION REQUIREMENTS

CONSULTANTS: ECHANICAL ELECTRICAL ENGINEERS

VIRGINIA BEACH, VA - 757-499-7223

VA FORM 08-6231

ARCHITECT:



Project Title PLUMBING LEGEND, NOTES **VETERAN'S ADMINISTRATION** AND ABBREVIATIONS HOSPITAL - HIGH TECH

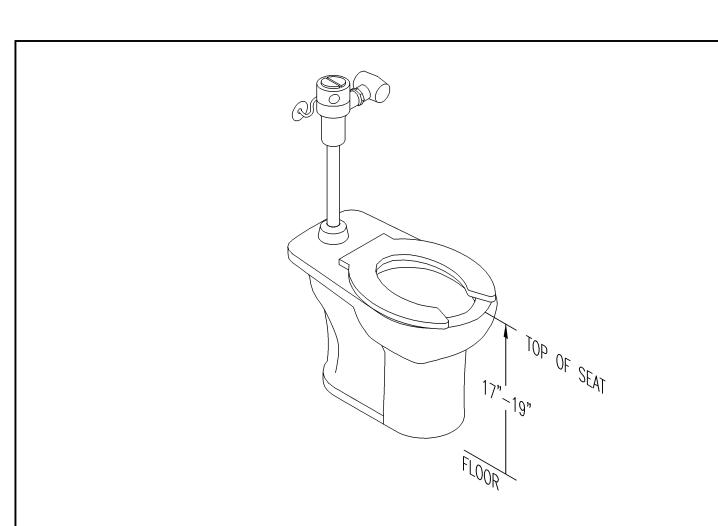
CONFERENCE ROOM RENOVATION FAYETTEVILLE. NORTH CAROLINA

Project Number Office of 565-11-101 Construction **Building Number** and Facilities Drawing Number Management

Veterans Affairs

Approved: Project Director

Drawn 05 - 14 - 12 WGQ



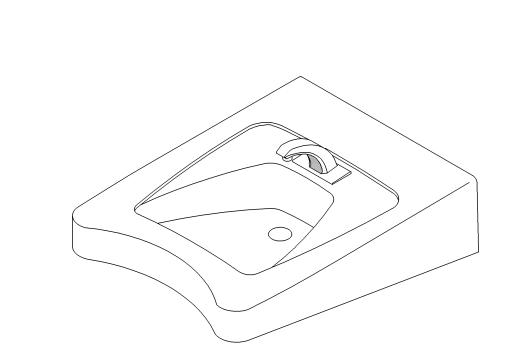
1. VITREOUS CHINA ADA COMPLIANT FLOOR MOUNTED FLUSH VALVE WATER CLOSET WITH FULLY GLAZED 2" TRAPWAY, ELONGATED SIPHON JET BOWL, 1.1/1.6 GALLONS PER FLUSH.

2. PROVIDE EXPOSED, HARDWIRE, SENSOR ACTIVATED HARDWIRE DUAL FLUSH WATER CLOSET FLUSHOMETER. UTILIZE A FULL FLUSH REDUCED, FLUSH DUAL FLUSH SYSTEM, EXPOSED, DIAPHRAGM TYPE, CHROME PLATED FLUSHOMETER FOR EITHER LEFT OR RIGHT HAND SUPPLY. PROVIDE TRANSFORMER, BOX (120 VAC/6VAC 25VA). CHROME VALVE BODY, TAILPIECE AND CONTROL STOP SHALL BE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF ASSE 1037. INSTALLATION CONFORMS TO ADA REQUIREMENTS AND 1" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP DESIGN BASED ON SLOAN ECOS-111 OR EQUAL.

DESIGN BASED ON AMERICAN STANDARD "MADERA" OR EQUAL

MARK	DESCRIPTION	TRAP		PIPE	SIZES		MOUNTING
IVIANN	DESCRIPTION	HVAF	HW	CW	WP	VP	IVIOONTIIV
<u>P-1</u>	ADA — FLUSH VALVE WATER CLOSET	INTEGRAL	1	1"	4"	2"	FLOOR

ADA – WATER CLOSET



**SPECIFICATIONS:** 1. VITREOUS CHINA ADA COMPLIANT WALL MOUNTED WHEELCHAIR ACCESSIBLE LAVATORY WITH FRONT OVERFLOW & SINGLE HOLE ON SELF DRAINING DECK.

2. PROVIDE SENSOR ACTIVATED ELECTRONIC HAND WASHING FAUCET WITH METAL THROAT PLATE, FOR TEMPERED OR HOT/COLD WATER OPERATION. PROVIDE 0.5 GPM/1.9 LPM VANDAL RESISTANT SPRAY HEAD. UTILIZE 120 VAC/24 VAC TRANSFORMER. PROVIDE BOX MOUNT. PROVIDE 120 VAC/24 VAC, 50/60 HZ (40 VA) — BOX MOUNT AND TRANSFORMER. PROVIDE CHROME PLATED BRASS GRID STRAINER WITH 1 1/4" OUTLET TUBE. DESIGN BASED ON SLOAN OPTIMA ETF-880 SERIES OR EQUAL.

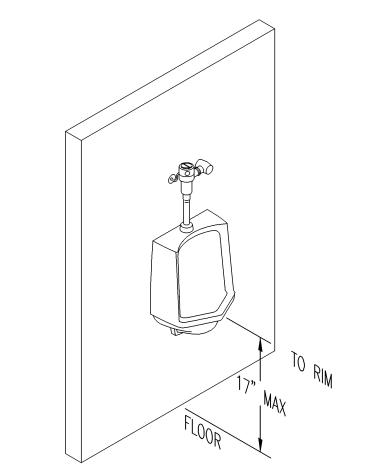
3. CHROME FINISH CAST BRASS LOOSE KEY ANGLE STOPS WITH CHROME FINISH RIGID SUPPLY RISERS. OFFSET GRID STRAINER AND ADJUSTABLE 'P'-TRAP. PROVIDE LAVSHIELD BY TRUEBRO PROTECTIVE LAVATORY ENCLOSURE OR EQUAL.

4. CONCEALED FLOOR MOUNT SUPPORT. WALL BRACKETS SHALL NOT BE USED.

5. PROVIDE TEMPERATURE LIMITATION DEVICE TO MEET THE ASSE 1070 STANDARD.

	DETAIL BASED ON WHEE	L CHAIR US	SER LAVAT	TORY OR	EQUAL		
MADIZ	DESCRIPTION	TRAP		PIPE	SIZES		MOLINITINIC
MARK	DESCRIPTION	INAP	HW	CW	WP	VP	MOUNTING
<u>P-2</u>	ADA — WHEELCHAIR LAVATORY	'P'-TRAP	1/2"	1/2"	2"	1-1/2"	WALL MOUNTED

ADA - WHEELCHAIR LAVATORY



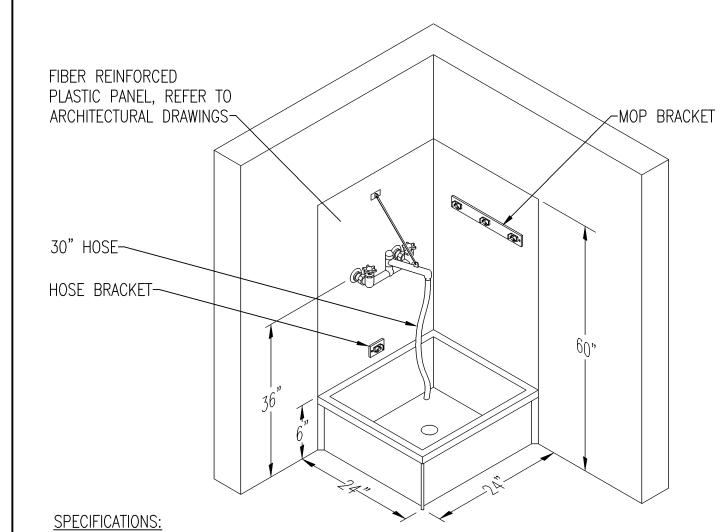
1. VITREOUS CHINA ADA COMPLIANT WALL MOUNTED FLUSH VALVE URINAL WITH FULLY GLAZED 2" TRAPWAY, 0.125 GALLON PER FLUSH.

PROVIDE EXPOSED, HARDWIRE, SENSOR ACTIVATED HARDWIRE URINAL FLUSHOMETER. PROVIDE 0.13 HIGH EFFICIENCY (0.13 GPF/0.5 LPF) (PINT FLUSH). CHROME BODY, TAILPIECE AND CONTROL STOP SHALL BE IN CONFORMANCE WITH ASTM ALLOY CLASSIFICATION FOR SEMI-RED BRASS. VALVE SHALL BE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF ASSE 1037. INSTALLATION CONFORMS TO ADA REQUIREMENTS AND 3/4" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP. PROVIDE TRANSFORMER, BOX (120 VAC/6 VAC 25 VA). DESIGN BASED ON SLOAN ECOS 186-0.13 OR EQUAL.

3. CONCEALED FLOOR MOUNT SUPPORT. WALL BRACKETS SHALL NOT BE USED. DESIGN BASED ON AMERICAN STANDARD "WASHBROOK" OR EQUAL

MADIZ	DESCRIPTION	TRAP		MOLINITI				
	MARK	DESCRIPTION	INAF	HW	CW	WP	VP	<b>-</b> MOUNTI
	<u>P-3</u>	ADA — FLUSH VALVE URINAL	INTEGRAL	ı	3/4"	2"	1-1/2"	WALL

ADA – URINAL



1. MOP BASIN SHALL BE 24"Wx24"Lx10"H SINGLE PIECE MOLDED STONE.

2. FAUCET SHALL BE EXPOSED YOKE WALL MOUNT UTILITY FAUCET WITH CAST BRASS BODY, 1/4 TURN CERAMIC VALVE CARTRIDGES, INTEGRAL VACUUM BREAKER & WALL BRACE. PROVIDE WITH OFFSET SHANKS WITH INTEGRAL STOPS.

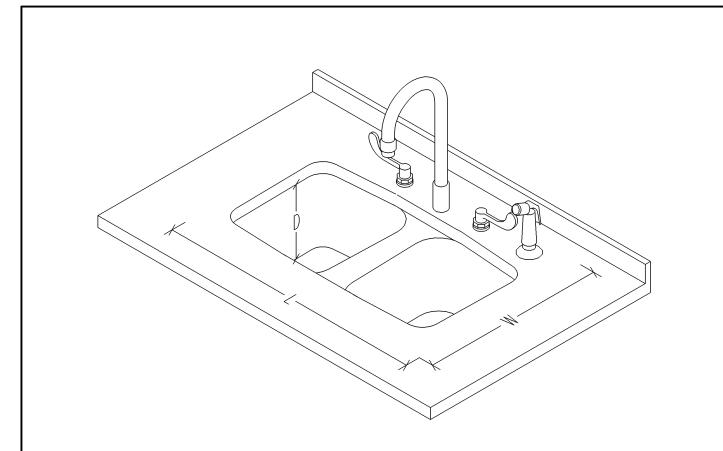
3. MOUNT FAUCET 36" AFF.

4. PROVIDE WALL MOUNTED MOP BRACKET, STAINLESS STEEL STRAINER, QUICK DRAIN CONNECTIONS, 30" HOSE & HOSE BRACKET.

DETAIL BASED ON FIAT, "MOLDED STONE" SERIES OR EQUAL

MARK	DESCRIPTION	TRAP	PIPE SIZES				
IVIAN	DESCRIPTION	TIVAL	HW	CW	WP	VP	MOUN
<u>P-4</u>	FLOOR MOUNTED MOP BASIN	'P'-TRAP	3/4"	3/4"	3"	1-1/2"	FLC

MOP BASIN

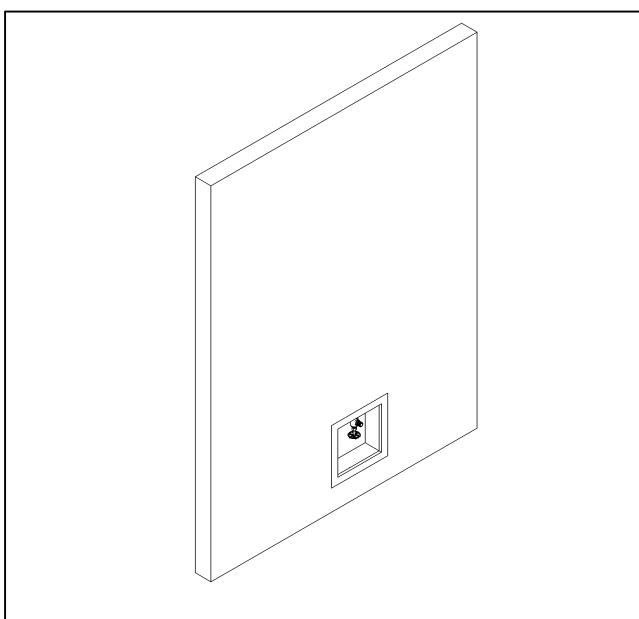


. SEAMLESS DIE DRAWN 18 GAUGE STAINLESS STEEL SINK WITH EXPOSED SURFACE POLISHED TO A NON-POROUS FINISH. FULLY COATED UNDERSIDE INSULATED FOR SOUND AND CONDENSATE, DESIGNED BASED ON ELKAY DLR372210 W/FOUR HOLES

2. 8" CENTER, TWO HANDLE BELOW DECKMOUNT FAUCET, POLISHED CHROME PLATED FINISH TRIM, CAST BRASS BODIES, BRASS SPOUT AND TRIM, GOOSENECK SWING SPOUT, STANDARD 2.2 GPM FLOW CONTROL AERATOR, 4" BLADE HANDLES, METAL HANDLES WITH HOSE SPRAY AS MANUFACTURED BY ZURN, DESIGNED BASED ON Z831C4-HS-ICT-4F.

3. CHROME FINISH CAST BRASS LOOSE KEY ANGLE STOPS WITH CHROME FINISH RIGID SUPPLY RISERS. OFFSET GRID STRAINER AND ADJUSTABLE 'P'-TRAP.

MARK	DESCRIPTION	TRAP		PIPE	SIZES		MOLINITING
MAKK	DESCRIFTION	IKAP	HW	CW	WP	VP	MOUNTING
<u>P-5</u>	KITCHEN SINK (2 COMPARTMENT) [19"Wx33"Lx7-1/2"D]	'P'-TRAP	1/2"	1/2"	2"	1-1/2"	UNDER MOUNT



1. SPACE SAVER RECESSED VALVE BOX WITH 1/2" ANGLE STOP WITH 1/4" COMPRESSION CONNECTION.

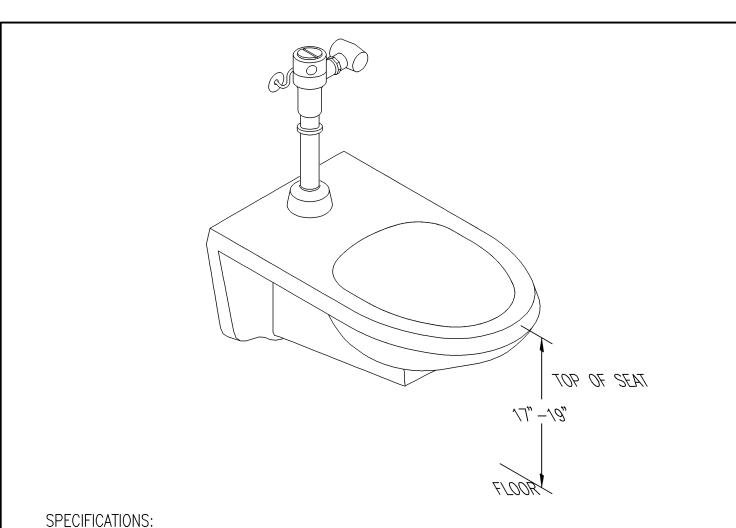
2. G90 HOT DIPPED GALVANIZED STEEL BOX. PAINT AS DIRECTED BY ARCHITECT.

3. BOTTOM OF BOX 6"-12" AFF.

DETAIL BASED ON GUY GRAY

MADK	MARK DESCRIPTION	TRAP		MOUNTING			
IVIAINI		HVAI	HW	CW	WP	VP	MOONTING
<u>P-6</u>	METAL ICE MAKER WALL BOX	ı	I	1/2"	ı	_	WALL

METAL ICE MAKER WALL BOX



FULLY GLAZED 2" TRAPWAY, ELONGATED SIPHON JET BOWL, 1.1/1.6 GALLONS PER FLUSH. CONCEALED FLOOR MOUNT SUPPORT. WALL BRACKETS SHALL NOT BE USED.

PROVIDE EXPOSED, HARDWIRE, SENSOR ACTIVATED HARDWIRE DUAL FLUSH WATER CLOSET FLUSHOMETER. UTILIZE A FULL FLUSH, REDUCED FLUSH DUAL FLUSH LEFT OR RIGHT HAND SUPPLY. PROVIDE TRANSFORMER, BOX (120 VAC/6VAC CHROME VALVE BODY, TAILPIECE AND CONTROL STOP SHALL BE IN COMPLIANCE WITH THE APPLICABLE SECTIONS OF ASSE 1037. INSTALLATION CONFORMS TO ADA REQUIREMENTS AND 1" I.P.S. SCREWDRIVER BAK-CHEK ANGLE STOP DESIGN BASED ON SLOAN ECOS-111 OR EQUAL.

DESIGN BASED ON AMERICAN STANDARD "AFWALL" OR EQUAL

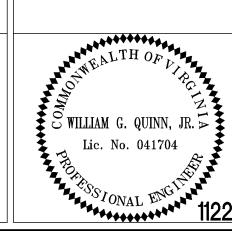
	LIF CUDITUM	DESCRIPTION TRAP		PIPE SIZES			MOUNTING	
MARK	DESCINI HON	IIVAI	HW	CW	WP	VP	MOONTING	
<u>P-7</u>	ADA — FLUSH VALVE WATER CLOSET	INTEGRAL	_	1"	4"	2"	WALL MOUNTED	

ADA – WATER CLOSET

KITCHEN SINK UNDERMOUNT

CONSULTANTS: ECHANICAL ELECTRICAL ENGINEERS

VIRGINIA BEACH, VA - 757-499-7223



Architecture - Interiors 441 WASHINGTON STREET PORTSMOUTH, VA 23704 (P) 757.393.9900 (F) 757.393.9907 Drawing Title
PLUMBING FIXTURE PLATES

Approved: Project Director

VETERAN'S ADMINISTRATION HOSPITAL - HIGH TECH CONFERENCE ROOM RENOVATION FAYETTEVILLE, NORTH CAROLINA

**Building Number** Drawing Number

Project Number

565-11-101

Office of Construction and Facilities Management

Department of Veterans Affairs

VA FORM 08-6231

ARCHITECT:

Checked 05 - 14 - 12 WGQ

Project Title

Drawn

